NAME

　　ccosh, **ccoshf**, **csinh**, **csinhf**, **ctanh**, **ctanhf** - complex hyperbolic functions

LIBRARY

　　Math Library (libm, -lm)

SYNOPSIS

　　#include <complex.h>

　　double complex
　　ccosh(*double complex z*);

　　float complex
　　ccoshf(*float complex z*);

　　double complex
　　csinh(*double complex z*);

　　float complex
　　csinhf(*float complex z*);

　　double complex
　　ctanh(*double complex z*);

　　float complex
　　ctanhf(*float complex z*);

DESCRIPTION

　　The **ccosh**(), **csinh**(), and **ctanh**() functions compute the hyperbolic cosine, sine, and tangent of the complex number *z*, respectively. The **ccoshf**(), **csinhf**(), and **ctanhf**() functions perform the same operations in *float* precision.

SEE ALSO

　　cacosh(3), ccos(3), complex(3), cosh(3), math(3), sinh(3), tanh(3)

STANDARDS

　　These functions conform to ISO/IEC 9899:1999 ("ISO C99").